W8L Longbow

Large Scale, Three-Way Line Array Enclosure

touring and theatre

features

- Large scale, three-way line array element
- Horn loaded 15" (380mm) LF – 106dB @1W, 1m (single cabinet)
- Twin 8" (200mm) mid-horn - 109dB @1W, 1m (single cabinet)
- Quad 1" (25mm) HF horn - 119dB @1W, 1m (single cabinet)
- Consistent 90° horizontal mid and HF pattern control
- Fast, integral rigging system with variable splay angles
- ViewPoint™ array optimisation software
- Factory controller presets for a wide variety of configurations
- Compatible with flown or ground stacked W8LS
- Compatible with ground stacked WLX, WSX, WS218X

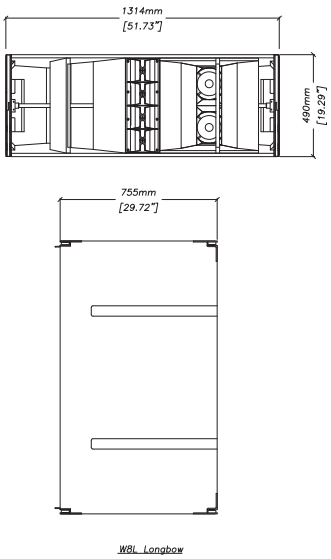
applications

- Live Sound Reinforcement:
  Outdoor concerts, stadiums and indoor arenas
- Fixed Installations

The Martin Audio W8L Longbow is an evolution of the successful W8L line array system. It brings a new level of performance to the most demanding sound reinforcement applications such as outdoor festivals, sports stadiums and the largest arenas.

Since the launch of the W8L, Martin Audio has developed a patent pending technology, which provides an exceptional degree of control over the curvature of the high frequency vertical wavefront. By coupling this technology with significant advances in high frequency device design we have created a quad-driver, high frequency system with an impressive 10dB greater output capability.

overall dimensions



technical specifications

TYPE	Large scale, three-way line array element
FREQUENCY RESPONSE (5)	35Hz-18kHz ± 3dB
DRIVERS	15" (380mm)/4" (100mm) voice coil, ultra-long excursion, neodymium magnet driver, Hybrid™ bass horn loaded 2 x 8" (200mm)/2" (50mm) coil drivers, horn loaded 4 x 1" (25mm) exit neodymium magnet compression drivers, horn loaded
RATED POWER (2)	LF: 1000W AES, 4000W peak MF: 400W AES, 1600W peak HF: 200W AES, 800W peak
SENSITIVITY (6)	LF: 106dB MF: 109dB HF: 119dB
MAXIMUM SPL (calculated @ 1m)	LF: 136dB continuous, 142dB peak MF: 135dB continuous, 141dB peak HF: 142dB continuous, 148dB peak
NOMINAL IMPEDANCE	LF: 8 ohms MF: 8 ohms HF: 8 ohms
DISPERSION (-6dB)	90° horizontal, down to 350Hz 7.5° vertical
CROSSOVER	220Hz, 2.5kHz active
ENCLOSURE	Vertical trapezoid with 3.75° wall angle, multi-laminate birch ply construction
FINISH	Textured grey or black paint
PROTECTIVE GRILLE	Grey or black perforated steel
CONNECTORS	2 x Neutrik NL8
FITTINGS	Proprietary rigging system 4 x Bar handles on each side Skids on base
DIMENSIONS (inc. wheelboard)	(W) 1314mm x (H) 490mm x (D) 755mm (855mm) (W) 51.7ins x (H) 19.3ins x (D) 29.7ins (33.7ins)
WEIGHT (ex. wheelboard)	123kg (271lbs)

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